

STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 101579,137
Source: TFWB
Date Processed by STIC: S-27-06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
- 2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.4.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER:

10/579,137

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 Wrapped Nucleics Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 Invalid Line Length The rules require that a line **not exceed** 72 characters in length. This includes white spaces.

3 Misaligned Amino Numbering The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use space characters, instead.

4 Non-ASCII The submitted file was **not** saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 Variable Length Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, **each n or Xaa can only represent a single residue**. Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 PatentIn 2.0 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7 Skipped Sequences (OLD RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8 Skipped Sequences (NEW RULES) Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 Use of n's or Xaa's (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is **MANDATORY** if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 Invalid <213> Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence

11 Use of <220> Use of <220> to <223> is **MANDATORY** if <213> "Organism" response is "Artificial Sequence" or "Unknown". Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)

12 PatentIn 2.0 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 Misuse of n/Xaa "n" can **only** represent a single nucleotide; "Xaa" can **only** represent a single amino acid



IFWP

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/579,137

DATE: 05/24/2006
TIME: 12:20:34

Input Set : A:\TUR-181.Sequence.ST25.txt
Output Set: N:\CRF4\05242006\J579137.raw

```

3 <110> APPLICANT: Abacus Diagnostica Oy
4      NURMI, Jussi
5      KORPIMAKI, Teemu
7 <120> TITLE OF INVENTION: NUCLEIC ACID AMPLIFICATION ASSAY AND ARRANGEMENT
THEREFOR
9 <130> FILE REFERENCE: TUR-181
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/579,137
C--> 12 <141> CURRENT FILING DATE: 2006-05-15
14 <150> PRIOR APPLICATION NUMBER: US 60/520,647
15 <151> PRIOR FILING DATE: 2003-11-18
17 <150> PRIOR APPLICATION NUMBER: FI 20031678
18 <151> PRIOR FILING DATE: 2003-11-18
20 <160> NUMBER OF SEQ ID NOS: 10
22 <170> SOFTWARE: PatentIn version 3.2
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 28
26 <212> TYPE: DNA
27 <213> ORGANISM: Artificial Sequence
29 <220> FEATURE:
30 <223> OTHER INFORMATION: Probe
32 <400> SEQUENCE: 1
33 cgatttcatac cgctgtttt ttttcgta
36 <210> SEQ ID NO: 2
37 <211> LENGTH: 14
38 <212> TYPE: DNA
39 <213> ORGANISM: Artificial Sequence
41 <220> FEATURE:
42 <223> OTHER INFORMATION: quencher
44 <400> SEQUENCE: 2
45 cgcggatgaa atcg
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 19
50 <212> TYPE: DNA
51 <213> ORGANISM: Artificial Sequence
53 <220> FEATURE:
54 <223> OTHER INFORMATION: primer
56 <400> SEQUENCE: 3
57 tgcaagtccct aagacgcca
60 <210> SEQ ID NO: 4
61 <211> LENGTH: 24
62 <212> TYPE: DNA
63 <213> ORGANISM: Artificial Sequence
65 <220> FEATURE:
66 <223> OTHER INFORMATION: primer

```

Does Not Comply
 Corrected Diskette Needed

(Pg. 1-2)

28

What is the
 source of
 genetic material?

14

See item #

19

= on error
 Summary sheet.

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/579,137

DATE: 05/24/2006
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Input Set : A:\TUR-181.Sequence.ST25.txt
Output Set: N:\CRF4\05242006\J579137.raw

```

68 <400> SEQUENCE: 4
69 cactgcatct ccgtggata ctaa
72 <210> SEQ ID NO: 5
73 <211> LENGTH: 22
74 <212> TYPE: DNA
75 <213> ORGANISM: Artificial Sequence
77 <220> FEATURE:
78 <223> OTHER INFORMATION: probe
80 <400> SEQUENCE: 5
81 ttgatgtgat ggctcctggc ca
84 <210> SEQ ID NO: 6
85 <211> LENGTH: 12
86 <212> TYPE: DNA
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: quencher
92 <400> SEQUENCE: 6
93 ccatcacatc aa
96 <210> SEQ ID NO: 7
97 <211> LENGTH: 20
98 <212> TYPE: DNA
99 <213> ORGANISM: Artificial Sequence
101 <220> FEATURE:
102 <223> OTHER INFORMATION: primer
104 <400> SEQUENCE: 7
105 atggatgtta tcaacatgag
108 <210> SEQ ID NO: 8
109 <211> LENGTH: 18
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: primer
116 <400> SEQUENCE: 8
117 gagtcgccat ggacgttc
120 <210> SEQ ID NO: 9
121 <211> LENGTH: 20
122 <212> TYPE: DNA
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: primer
128 <400> SEQUENCE: 9
129 tgaagtctga cgtggacatc
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 21
134 <212> TYPE: DNA
135 <213> ORGANISM: Artificial Sequence
137 <220> FEATURE:
138 <223> OTHER INFORMATION: primer
140 <400> SEQUENCE: 10

```

24

12

20

20

18

What is the source of
Genetic material?
INVALID
Response

See item #11
on error

Summary

Sheet,

RAW SEQUENCE LISTING DATE: 05/24/2006
PATENT APPLICATION: US/10/579,137 TIME: 12:20:34

Input Set : A:\TUR-181.Sequence.ST25.txt
Output Set: N:\CRF4\05242006\J579137.raw

141 cttgatcttc attgtgctgg g

21

VERIFICATION SUMMARY DATE: 05/24/2006
PATENT APPLICATION: US/10/579,137 TIME: 12:20:35

Input Set : A:\TUR-181.Sequence.ST25.txt
Output Set: N:\CRF4\05242006\J579137.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date